CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/367,714B

CRF Processing Dat : 01/10/03

Edited by: DC

Verified by: DC (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: **ENTERED** #23

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current" Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading **RECEIVED** applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: ,

JAN 1 5 2003

_____

TECH CENTER 1600/2900

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____ .

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.   3/1/95

RAW SEQUENCE LISTING   DATE: 01/10/2003
PATENT APPLICATION: **US/09/367,714B**   TIME: 09:25:48

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I367714B.raw**

SEQUENCE LISTING
```
 4 (1) GENERAL INFORMATION:
 6       (i) APPLICANT: SHAI, Yechiel
 7                      OREN, Ziv
 9      (ii) TITLE OF INVENTION: ANTIPATHOGENIC SYNTHETIC PEPTIDES AND COMPOSITIONS
10                              COMPRISING THEM
12     (iii) NUMBER OF SEQUENCES: 99
14      (iv) CORRESPONDENCE ADDRESS:
15           (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
16           (B) STREET: 624 Ninth Street, N.W., Suite 300
17           (C) CITY: Washington
18           (D) STATE: D.C.
19           (E) COUNTRY: USA
20           (F) ZIP: 20001
22       (v) COMPUTER READABLE FORM:
23           (A) MEDIUM TYPE: Floppy disk
24           (B) COMPUTER: IBM PC compatible
25           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28      (vi) CURRENT APPLICATION DATA:
C--> 29          (A) APPLICATION NUMBER: US/09/367,714B
C--> 30          (B) FILING DATE: 14-Jan-2000
C--> 36     (vii) PRIOR APPLICATION DATA:
33           (A) APPLICATION NUMBER: PCT/IL97/00066
34           (B) FILING DATE: 20-FEB-1997
37           (A) APPLICATION NUMBER: PCT/IL98/00081
38           (B) FILING DATE: 19-FEB-1998
40 (2) INFORMATION FOR SEQ ID NO: 1:
42       (i) SEQUENCE CHARACTERISTICS:
43           (A) LENGTH: 33 amino acids
44           (B) TYPE: amino acid
45           (C) STRANDEDNESS: single
46           (D) TOPOLOGY: linear
48      (ii) MOLECULE TYPE: peptide
51     (vii) IMMEDIATE SOURCE:
52           (B) CLONE: peptide 1
54      (ix) FEATURE:
55           (A) NAME/KEY: Modified-site
56           (B) LOCATION:group(7, 18, 19)
57           (D) OTHER INFORMATION:/product= "D-amino acid residues"
59      (ix) FEATURE:
60           (A) NAME/KEY: Modified-site
61           (B) LOCATION:33
```

RAW SEQUENCE LISTING   DATE: 01/10/2003
PATENT APPLICATION: **US/09/367,714B**   TIME: 09:25:48

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I367714B.raw**

```
62              (D) OTHER INFORMATION:/product= "OTHER"
63  /note= "two aminoethylamino groups are attached at the C-
64  terminus"
67       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
69       Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
70       1               5                   10                  15
72       Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
73                   20                  25                  30
75       Glu
78  (2) INFORMATION FOR SEQ ID NO: 2:
80       (i) SEQUENCE CHARACTERISTICS:
81              (A) LENGTH: 22 amino acids
82              (B) TYPE: amino acid
83              (C) STRANDEDNESS: single
84              (D) TOPOLOGY: linear
86      (ii) MOLECULE TYPE: peptide
89     (vii) IMMEDIATE SOURCE:
90              (B) CLONE: peptide 2
92      ·(ix) FEATURE:
93              (A) NAME/KEY: Modified-site
94              (B) LOCATION:group(7, 18, 19)
95              (D) OTHER INFORMATION:/product= "D-amino acid residues"
97      (ix) FEATURE:
98              (A) NAME/KEY: Modified-site
99              (B) LOCATION:22
100             (D) OTHER INFORMATION:/product= "OTHER"
101 /note= "an aminoethylamino group is attached at the C-terminus"
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
106      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
107      1               5                   10                  15
109      Thr Leu Leu Ser Ala Val
110                  20
112 (2) INFORMATION FOR SEQ ID NO: 3:
114      (i) SEQUENCE CHARACTERISTICS:
115             (A) LENGTH: 22 amino acids
116             (B) TYPE: amino acid
117             (C) STRANDEDNESS: single
118             (D) TOPOLOGY: linear
120     (ii) MOLECULE TYPE: peptide
123    (vii) IMMEDIATE SOURCE:
124             (B) CLONE: peptide 3
126     (ix) FEATURE:
127             (A) NAME/KEY: Modified-site
128             (B) LOCATION:group(7, 18, 19)
129             (D) OTHER INFORMATION:/product= "D-amino acid residues"
132      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
134      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
135      1               5                   10                  15
137      Thr Leu Leu Ser Ala Val
```

RAW SEQUENCE LISTING   DATE: 01/10/2003
PATENT APPLICATION: **US/09/367,714B**   TIME: 09:25:48

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I367714B.raw**

```
138                 20
140 (2) INFORMATION FOR SEQ ID NO: 4:
142     (i) SEQUENCE CHARACTERISTICS:
143         (A) LENGTH: 23 amino acids
144         (B) TYPE: amino acid
145         (C) STRANDEDNESS: single
146         (D) TOPOLOGY: linear
148    (ii) MOLECULE TYPE: peptide
151   (vii) IMMEDIATE SOURCE:
152         (B) CLONE: peptide 4
154    (ix) FEATURE:
155         (A) NAME/KEY: Modified-site
156         (B) LOCATION:group(8, 19, 20)
157         (D) OTHER INFORMATION:/product= "D-amino acid residues"
159    (ix) FEATURE:
160         (A) NAME/KEY: Modified-site
161         (B) LOCATION:23
162         (D) OTHER INFORMATION:/product= "OTHER"
163 /note= "an aminoethylamino group is attached at the C-terminus"
166    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
168     Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe
169     1               5                   10                  15
171     Lys Thr Leu Leu Ser Ala Val
172                 20
174 (2) INFORMATION FOR SEQ ID NO: 5:
176     (i) SEQUENCE CHARACTERISTICS:
177         (A) LENGTH: 24 amino acids
178         (B) TYPE: amino acid
179         (C) STRANDEDNESS: single
180         (D) TOPOLOGY: linear
182    (ii) MOLECULE TYPE: peptide
185   (vii) IMMEDIATE SOURCE:
186         (B) CLONE: peptide 5
188    (ix) FEATURE:
189         (A) NAME/KEY: Modified-site
190         (B) LOCATION:group(9, 20, 21)
191         (D) OTHER INFORMATION:/product= "D-amino acid residues"
193    (ix) FEATURE:
194         (A) NAME/KEY: Modified-site
195         (B) LOCATION:24
196         (D) OTHER INFORMATION:/product= "OTHER"
197 /note= "an aminoethylamino group is attached at the C-terminus"
200    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
202     Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
203     1               5                   10                  15
205     Phe Lys Thr Leu Leu Ser Ala Val
206                 20
208 (2) INFORMATION FOR SEQ ID NO: 6:
210     (i) SEQUENCE CHARACTERISTICS:
```

```
211              (A)  LENGTH: 24 amino acids
212              (B)  TYPE: amino acid
213              (C)  STRANDEDNESS: single
214              (D)  TOPOLOGY: linear
216      (ii) MOLECULE TYPE: peptide
219     (vii) IMMEDIATE SOURCE:
220              (B)  CLONE: peptide 6
222      (ix) FEATURE:
223              (A)  NAME/KEY: Modified-site
224              (B)  LOCATION:group(9, 20, 21)
225              (D)  OTHER INFORMATION:/product= "D-amino acid residues"
228      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
230        Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
231        1               5                  10                  15
233        Phe Lys Thr Leu Leu Ser Ala Val
234                    20
236 (2) INFORMATION FOR SEQ ID NO: 7:
238      (i) SEQUENCE CHARACTERISTICS:
239              (A)  LENGTH: 11 amino acids
240              (B)  TYPE: amino acid
241              (C)  STRANDEDNESS: single
242              (D)  TOPOLOGY: linear
244      (ii) MOLECULE TYPE: peptide
247     (vii) IMMEDIATE SOURCE:
248              (B)  CLONE: peptide 7
250      (ix) FEATURE:
251              (A)  NAME/KEY: Modified-site
252              (B)  LOCATION:7
253              (D)  OTHER INFORMATION:/product= "D-AMINO ACID RESIDUE"
255      (ix) FEATURE:
256              (A)  NAME/KEY: Modified-site
257              (B)  LOCATION:11
258              (D)  OTHER INFORMATION:/product= "OTHER"
259 /note= "AN AMINOETHYLAMINO GROUP IS ATTACHED.AT THE C-TERMINUS"
262      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
264        Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser
265        1               5                  10
267 (2) INFORMATION FOR SEQ ID NO: 8:
269      (i) SEQUENCE CHARACTERISTICS:
270              (A)  LENGTH: 33 amino acids
271              (B)  TYPE: amino acid
272              (C)  STRANDEDNESS: single
273              (D)  TOPOLOGY: linear
275      (ii) MOLECULE TYPE: peptide
277       (v)  FRAGMENT TYPE: linear
280     (vii) IMMEDIATE SOURCE:
281              (B)  CLONE: peptide 8
283      (ix) FEATURE:
284              (A)  NAME/KEY: Modified-site
```

W--> 277

RAW SEQUENCE LISTING   DATE: 01/10/2003
PATENT APPLICATION: **US/09/367,714B**   TIME: 09:25:48

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I367714B.raw**

```
285              (B) LOCATION:33
286              (D) OTHER INFORMATION:/product= "OTHER"
287 /note= "TWO AMINOETHYLAMINO GROUPS ARE ATTACHED AT THE C-
288 TERMINUS"
291      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
293      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
294      1               5                  10                  15
296      Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
297                  20                  25                  30
299      Glu
302 (2) INFORMATION FOR SEQ ID NO: 9:
304      (i) SEQUENCE CHARACTERISTICS:
305              (A) LENGTH: 33 amino acids
306              (B) TYPE: amino acid
307              (C) STRANDEDNESS: single
308              (D) TOPOLOGY: linear
310     (ii) MOLECULE TYPE: peptide
313    (vii) IMMEDIATE SOURCE:
314              (B) CLONE: peptide 9
316     (ix) FEATURE:
317              (A) NAME/KEY: Modified-site
318              (B) LOCATION:13
319              (D) OTHER INFORMATION:/product= "D-AMINO ACID RESIDUE"
321     (ix) FEATURE:
322              (A) NAME/KEY: Modified-site
323              (B) LOCATION:33
324              (D) OTHER INFORMATION:/product= "OTHER"
325 /note= "TWO AMINOETHYLAMINO GROUPS ARE ATTACHED AT THE C-
326 TERMINUS"
329      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
331      Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
332      1               5                  10                  15
334      Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
335                  20                  25                  30
337      Glu
340 (2) INFORMATION FOR SEQ ID NO: 10:
342      (i) SEQUENCE CHARACTERISTICS:
343              (A) LENGTH: 33 amino acids
344              (B) TYPE: amino acid
345              (C) STRANDEDNESS: single
346              (D) TOPOLOGY: linear
348     (ii) MOLECULE TYPE: peptide
W--> 350      (v) FRAGMENT TYPE: linear
353    (vii) IMMEDIATE SOURCE:
354              (B) CLONE: peptide 10
356     (ix) FEATURE:
357              (A) NAME/KEY: Modified-site
358              (B) LOCATION:group(5, 19)
359              (D) OTHER INFORMATION:/product= "D-AMINO ACID RESIDUES"
```

VERIFICATION SUMMARY   DATE: 01/10/2003
PATENT APPLICATION: **US/09/367,714B**   TIME: 09:25:49

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I367714B.raw**

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:36 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:277 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8
L:350 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=10
L:390 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11

1600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 01/08/2003
PATENT APPLICATION: US/09/367,714B   TIME: 14:49:27

Input Set : A:\EP.txt
Output Set: N:\CRF4\01082003\I367714B.raw

SEQUENCE LISTING
```
  4 (1) GENERAL INFORMATION:
  6       (i) APPLICANT: SHAI, Yechiel
  7                      OREN, Ziv
  9      (ii) TITLE OF INVENTION: ANTIPATHOGENIC SYNTHETIC PEPTIDES AND COMPOSITIONS
 10                               COMPRISING THEM
 12     (iii) NUMBER OF SEQUENCES: 99
 14      (iv) CORRESPONDENCE ADDRESS:
 15           (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
 16           (B) STREET: 624 Ninth Street, N.W., Suite 300
 17           (C) CITY: Washington
 18           (D) STATE: D.C.
 19           (E) COUNTRY: USA
 20           (F) ZIP: 20001
 22       (v) COMPUTER READABLE FORM:
 23           (A) MEDIUM TYPE: Floppy disk
 24           (B) COMPUTER: IBM PC compatible
 25           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 26           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 28      (vi) CURRENT APPLICATION DATA:
```
C--> 29   **(A) APPLICATION NUMBER: US/09/367,714B**
C--> 30   **(B) FILING DATE: 14-Jan-2000**
C--> 36   **(vii) PRIOR APPLICATION DATA:**
```
 33           (A) APPLICATION NUMBER: PCT/IL97/00066
 34           (B) FILING DATE: 20-FEB-1997
 37           (A) APPLICATION NUMBER: PCT/IL98/00081
 38           (B) FILING DATE: 19-FEB-1998
```

ERRORED SEQUENCES

```
2860 (2) INFORMATION FOR SEQ ID NO: 99:
2862      (i) SEQUENCE CHARACTERISTICS:
2863          (A) LENGTH: 26 amino acids
2864          (B) TYPE: amino acid
2865          (C) STRANDEDNESS: single
2866          (D) TOPOLOGY: linear
2868     (ii) MOLECULE TYPE: peptide
2871    (vii) IMMEDIATE SOURCE:
2872          (B) CLONE: Melittin
2874     (ix) FEATURE:
2875          (A) NAME/KEY: Modified-site
2876          (B) LOCATION:26
```

```
2877          (D) OTHER INFORMATION:/product= "OTHER"
2878 /note= "the carboxyl group at the C-terminus is replaced by an
2879 amino group"
2882     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:
2884     Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
2885     1           5                   10                  15
2887     Ile Ser. Trp Ile Lys Arg Lys Arg Gln Gln
2888               20                  25
```
E--> 2893 (107) - delete

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:36 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:277 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8
L:350 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=10
L:390 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11
L:2893 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:99